

## CLAIMS

What is claimed is:

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1. A distributed home location register (HLR) comprising:

10 a personal home location register (HLR), not located with a telecommunication services provider;  
an interface to the personal home location register for a user to select services; and  
a link to an operations support system of the telecommunication services provider for obtaining services.

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2. The distributed HLR as claimed in claim 1, wherein there is further included:

20 a network home location register (HLR) coupled to the operations support system of the telecommunications service provider.

3. The distributed HLR as claimed in claim 2, wherein there is further included a plurality of users, each user of the plurality of users having an individual HLR  
25 within the network HLR indicating said services which are available to each user.

4. The distributed HLR as claimed in claim 3, wherein the individual HLR for a particular user includes a  
30 pointer to the personal HLR.

5. The distributed HLR as claimed in claim 1, wherein there is further included a database for storing roaming information, said first database coupled to  
35 said operations support system.

6. The distributed HLR as claimed in claim 1, wherein there is included a database for subscription information, said database coupled to said operations support system.
- 5
7. The distributed HLR as claimed in claim 1, wherein there is further included other networks coupled to said operations support system, said other networks supplying service level agreement information.
- 10
8. The distributed HLR as claimed in claim 1, wherein said personal home location register includes a computing device.
- 15
9. The distributed HLR as claimed in claim 1, wherein said link includes an internet connection of said personal home location register to said operations support system.
- 20
10. The distributed HLR as claimed in claim 1, wherein said link includes a wireless connection between said personal home location register and said operations support system.
- 25
11. The distributed HLR as claimed in claim 1, wherein said link includes a wire line connection between said personal home location register and said operations support system.
- 30
12. The distributed HLR as claimed in claim 1, wherein said interface includes a graphical user interface (GUI).

13. An arrangement for distributing a home location register (HLR) from a telecommunications service provider, said arrangement comprising:

processor means including the home location  
5 register, said processor means operating independent of the telecommunication service provider, and said processor means coupled to said telecommunications service provider for communication; and

database means for storing subscriber information  
10 for a plurality of subscribers, said database means coupled to said telecommunication service provider, said telecommunication service provider operating in response to a request from said processor means to obtain said subscriber information for a particular  
15 subscriber.

14. The arrangement as claimed in claim 13, wherein there is further included link means for coupling said processor means to said telecommunications service  
20 provider.

15. The arrangement as claimed in claim 14 wherein said link means includes an internet connection.

25 16. The arrangement as claimed in claim 14 wherein said link means includes a wireless connection.

17. The arrangement as claimed in claim 14 wherein said link means includes a wire line connection.

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18. The arrangement as claimed in claim 13, wherein:  
said database means includes a database for  
storing telephone subscription information; and

said particular subscriber inputs a change to the  
35 HLR to modify the telephone subscription information of the first database.

19. The arrangement as claimed in claim 13 wherein:  
said database means includes a database for  
storing roaming information; and

5       said particular subscriber inputs change to the  
HLR to modify the roaming information within the  
distributed HLR.

20. The arrangement as claimed in claim 13 wherein the  
10 telecommunications service provider includes a network  
HLR for pointing to the HLR of the processor means.

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21. An arrangement for a distributed home location register (HLR) comprising:

a personal home location register (HLR) located within a processor means of a particular user; and

5 a telecommunications service provider including a network home location register (HLR), said telecommunications service provider coupled to said processor means, said network HLR pointing to said personal HLR.

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22. The arrangement as claimed in claim 21, wherein the user affects changes to the personal HLR via communication between the processor means and the telecommunications service provider.

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23. The arrangement as claimed in claim 21, wherein the telecommunications service provider includes a traditional network HLR for other users.

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24. The arrangement as claimed in claim 23, wherein: the particular user is charged a first rate for the personal HLR; and

the other users are charged a second rate for the traditional network HLR.

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